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taining *Asineops*, *Clupea*, *Osteoglossum*, etc., which are probably local in their character.

The Bridger formation will then represent on the American continent more nearly than any other, the middle Eocene or Parisien of Cuvier, Brogniart, and Renevier.

The teeth of sharks described in the reports quoted are of uncertain origin. They are associated with oyster shells, and both have the appearance of having been transported; nevertheless some of the mammalian teeth found associated with them have a similarly rolled appearance. It therefore remains uncertain whether the ocean had for a limited time access to the Eocene lake, or whether the shark's teeth and *Ostreæ* were derived from the cretaceous beds which formed its shores. Similar, and in one instance the same species of sharks were found in both formations, the division of the cretaceous being No. 3 and 4 of Hayden.¹

In conclusion, the classification of the North American Eocene may be represented as follows:—

Formation.	Equivalent.	Locality.	Characteristic Fossils.
Bridger Form.	Middle Eocene.	S. W. Wyoming.	{ <i>Palæosyops</i> . <i>Tillodonla</i> . <i>Dinocerata</i> .
Wahsatch Form.	Lower Eocene.	{ N. E. New Mexico, S. W. Wyoming.	{ <i>Coryphodon</i> . <i>Tæniodonta</i> . <i>Phenacodus</i> . <i>Diatryma</i> .

APRIL 25.

The President, Dr. RUSCHENBERGER, in the chair.

Forty-nine members present.

The death of Geo. Washington Smith was announced.

In conformity with Art. III. Chap. V. of the By-Laws, John L. LeConte, Geo. H. Horn, E. T. Cresson, Chas. A. Blake, Wm. S. Pine, John Meichel, Geo. B. Dixon, Horace F. Jayne, Charles Wilt, James Ridings, James H. Ridings, and J. W. McAllister, were constituted the Entomological Section of the Academy of Natural Sciences of Philadelphia.

The meeting having adjourned until May 2, the consideration of certain amendments and additions to the By-Laws was then

¹ The same state of things exists in the siderolitic deposits of the canton of Vaud, Switzerland. Mingled with the mammalian remains are teeth of sharks, of which M. La Harpe remarks that their appearance does not warrant the belief that they have been transported, or are not indigenous to the Eocene fauna.

concluded. The propositions to amend, with the signatures and reasons for the same, together with the report of the council upon said amendments, were read, and Chapters I.-XI., inclusive, and Chapter XVI. were then adopted.

The following were elected members: Oliver Bradin, Geo. A. Piersol, John Wister, Wm. Nelson, Rev. Charles A. Dickey, J. H. C. Simes, M.D., Wm. B. Brewster, M.D., Wm. H. Castle, Robt. Hess, M.D., and Pliny E. Chase.

The committees to which they had been referred recommended the following papers to be published:—